

EDUCATION & EXPERIENCE

- ▶ Bachelor's degree in Environmental Science
- ▶ 6-8 years of experience in environmental assessment projects and consulting experience in mining or in similar industries and small/large hydroelectric projects.
- ▶ Hands-on experience with environmental assessment, impact surveys, field studies of endangered species and/or wetland delineation projects.
- ▶ Knowledge of industry-specific statistical and analytical computer software.
- ▶ Knowledge and experience with federal, provincial and local workplace health and safety and environmental legislations, rules, regulations and reporting processes and procedures.
- ▶ Valid Class 5 driver's licence
- ▶ May be required: master's degree in environmental science, preferably biological sciences or related field such as environmental science, natural science, hydrology, ecology or botany.

TRAINING

Universities across Canada offer many different environmental science programs. If you are interested in a career in mining, talk to a university program advisor about the best course for you to take.

- ▶ The College of New Caledonia (CNC).
- ▶ Coast Mountain College.

If you have your Grade 12 diploma and are interested in exploring your career options in exploration and mining, contact:

- ▶ General educational advisors or First Nations Access coordinators at Coast Mountain College.
- ▶ School of Exploration & Mining advisors at Coast Mountain College.
- ▶ Academic advisors at the College of New Caledonia.

To learn more about a career as an environmental biologist (including information about work duties and working conditions, salaries and employment prospects), you can access information in the National Occupation Classification (NOC) System at www.workbc.ca. The NOC code for this occupation is 2121.

ENVIRONMENTAL BIOLOGISTS

Environmental Biologists are based in an office or laboratory or near the mine site. They spend a considerable amount of time conducting surveys and fieldwork in, and around, the mine site, and may conduct on-site assessments and travel long distances to collect samples. When conducting fieldwork, they may need to drive on radio-controlled resource roads. Fieldwork is conducted in all types of environmental conditions, within bodies of water (including rivers, and streams) and may require the handling of toxic or dangerous substances and/or organisms.



JOB DESCRIPTION

Environmental Biologists have a deep concern for the environment and sustainability. They like scientific investigation and are interested in field assignments and being outdoors. They also enjoy conducting desk research, analyzing data and creating technical reports. They are committed to environmental protection and like to support mining companies in environmental stewardship.

- ▶ Plan, conduct, and monitor environmental projects to ensure that the mine is operating responsibly in compliance with federal and provincial regulatory requirements and environmental protection acts and guidelines.
- ▶ Develop new technologies and innovative processes and procedures to ensure that mining is conducted in a sustainable and environmentally-friendly manner.
- ▶ Lead and manage environmental assessments to protect groundwater, fisheries, wildlife, and other natural and aquatic resources from the effects of mining.
- ▶ Conduct investigation, field studies and environmental monitoring of mining operations on water, plant and animal life, and overall ecosystems in accordance with accepted inventory collection guidelines (RIC).
- ▶ Plan, organize and conduct field surveys including wetland delineation, habitat assessment, native plants, and other ecological studies.
- ▶ Collect, prepare and analyze samples of water, soil, and plant and animal population including field water, benthos and soil sampling at contaminated sites.

Seabridge Gold developed its job fact sheets using information from Work BC (www.workbc.ca), Mining Needs You (<https://miningneedsyou.ca>), and Education Planner BC (<https://www.educationplannerbc.ca>). To learn more about Seabridge Gold and its projects, visit www.seabridgegold.com.